

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	147	(cooling or coolant) same channel with length with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:44
L2	7	1 and "429"/\$.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:46
L3	79	(cooling or coolant) with channel with length with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:47
L4	1	3 and "429"/	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:48
L5	7	3 and "429"/\$.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:48
L6	4201	channel with length with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:49
L7	60	6 and "429"/\$.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:50
L8	24	7 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:50
L9	0	"10520472"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 10:32
L10	1	"10/520472"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 10:32
L11	8882	channel same pressure with (bar or atm)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 10:52
L12	576	(cooling or coolant) same channel same pressure with (bar or atm)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:00
L13	13	12 and "429"/\$.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:01
L14	8	13 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:02
L15	59	11 and "429"/\$.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:19

L16	28	15 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:20
L17	676	cooling channel with pressure	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:26
L18	348	coolant channel with pressure	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:26
L19	30	17 and 18	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:26
L20	2	19 and "429"/\$.cls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:27
L21	2	2003/0012986	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 12:21
L22	2	10/019231	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 12:22
S1	10311	fuel cell stack	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:22
S2	3998	S1 and channel	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:36
S3	68	"5858569"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:42
S4	2	S3 and @ad<"19980101"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:44
S5	3998	S1 and channel	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:25
S6	515771	width with length	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:26
S7	474	S5 and S6	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:27
S8	178	S7 and bipolar plate	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:30
S9	60	S8 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:36
S10	19	S9 and axis	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:51

S11	217	fuel cell and air cool	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:25
S12	886	fuel cell and (oxygen same cool)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:26
S13	262	fuel cell and (oxygen with cool)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:26
S14	116	S13 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:27
S15	27	S13 and bipolar plate	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:28
S16	13	S15 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:29
S17	66	S11 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:33
S18	3	S17 and bipolar plate	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:34
S19	59	S12 and bipolar plate	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:35
S20	3	"6689500"	US-PGPUB; USPAT	OR	ON	2008/02/12 15:51
S21	1	"7226880"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:00
S22	2	"7226680"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:00
S23	20	"4599282"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:14
S24	15	"4508793"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:18
S25	2564525	air cooled fuel cell	US-PGPUB; USPAT	OR	ON	2008/02/12 17:20
S26	38	air cooled fuel cell	US-PGPUB; USPAT	ADJ	ON	2008/02/12 17:20
S27	24	S26 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/12 17:21
S28	14	S27 and (polymer electrolyte membrane or PEM)	US-PGPUB; USPAT	ADJ	ON	2008/02/12 17:23
S29	28	"4444851"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:48
S30	0	S29 and @ad<"1982"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:49

S31	0	S29 and @ad<"1983"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:49
S32	1	S29 and @ad<"19830101"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:49
S33	31	"6416895"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 11:01
S34	0	"09821598"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 12:11
S35	2	"09/821598"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 12:12
S36	68013	(cooling or coolant) near air	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:16
S37	50178	air adj2 (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:21
S38	33162	S37 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:22
S39	1219	S37 and "429"/\$.cols.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:23
S40	603	S39 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:23
S41	81	S40 and polymer electrolyte membrane	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:24
S42	9582	counter same cooling	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:32
S43	93	S42 and "429"/\$.cols.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:33
S44	47	S43 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:34
S45	38	S44 and air	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:36
S46	226	counter same air (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:39
S47	149	S46 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:39
S48	1	S47 and bipolar	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:40
S49	3	S46 and "429"/\$.cols.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:41
S50	20	"4599282"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 17:09
S51	2	"0971428"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/13 17:58
S52	0	"0971428"	EPO	ADJ	ON	2008/02/13 17:59

S53	9	"6277511"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/13 18:04
S54	3	jp "61027071"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/13 18:19
S55	3	jp "09312168"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/13 18:30
S56	50	("20050208367") or ("5270132") or ("4483398") or ("4530887") or ("4579789") or ("4608345") or ("4855092") or ("4978591") or ("5270126") or ("5610961") or ("5627866") or ("5748695") or ("5780157") or ("5837395") or ("5855828") or ("6432176") or ("6544400") or ("20010045364") or ("4863798") or ("5328878") or ("5516595") or ("5516734") or ("5543198") or ("5637541") or ("6258883") or ("6399021") or ("6448212") or ("4370150") or ("6117580") or ("4348465") or ("4477539") or ("4561864") or ("4597734") or ("4787772") or ("4850498") or ("4878837") or ("4883423") or ("4986112") or	US-PGPUB; USPAT	OR	OFF	2008/02/13 18:33

		("5185919") or ("5189782") or ("5384019") or ("5620490") or ("5952117") or ("20050167873") or ("20050202296") or ("20070264550") or ("4317865") or ("4950563") or ("5519748") or ("4303023")).PN.			
657	50	("4410266") or ("4508793") or ("4578324") or ("5541015") or ("5549983") or ("5686199") or ("5700595") or ("5776625") or ("5853909") or ("5858569") or ("5882809") or ("6062210") or ("6087033") or ("4277317") or ("4324844") or ("4403018") or ("4425216") or ("4431714") or ("4548876") or ("4583583") or ("4604332") or ("4789518") or ("4945010") or ("4983471") or ("4988583") or ("5197276") or ("5316644") or ("5330859") or ("5376472") or ("5468573") or ("5527631") or ("5532071") or ("5543241") or ("5558955") or ("5750278") or ("5858567") or ("5863671") or ("5879826") or ("6017648") or ("6171719") or ("6207312") or ("20060188758") or ("3833424") or ("4048385") or ("4058482") or	US-PGPUB; USPAT	OR	OFF 2008/02/13 18:36

		((4150076) or ("4165349") or ("4169917") or ("4175165") or ("4074020")).PN				
S58	6	S57 and air near2 (coolant cooling)	US-PGPUB; USPAT	OR	ON	2008/02/13 18:42
S59	866906	S57 and air cool\$2	US-PGPUB; USPAT	OR	ON	2008/02/13 19:19
S60	1	S57 and air cool\$2	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:20
S61	5	S57 and air cool\$4	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:20
S62	439	counterflow and air (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:21
S63	27	S62 and "429"/\$.cols.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:22
S64	21	S63 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:22
S65	49	co-flow and air (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:32
S66	9	S65 and S62	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:33
S67	4324	serpentine same (coolant or cooling)	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S68	235	S67 and "429"/\$.cols.	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S69	107	S68 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S70	29	S69 and polymer electrolyte membrane	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S71	3	"6689500"	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 14:34
S72	4484	channel with width with mm	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 16:12
S73	164	S72 and polymer adj2 membrane	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 16:15
S74	54	S73 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 16:15
S75	35	S74 and "429"/\$.cols.	US-PGPUB; USPAT; USOOR; FFRS; EPO; JPO	ADJ	ON	2008/02/14 16:16

S76	47	(cooling or coolant) channel with width with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:27
S77	2	S76 and polymer adj2 membrane	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:28
S78	106	(cooling or coolant) channel same width with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:31
S79	6	S78 and polymer adj2 membrane	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:31
S80	274	(cooling and coolant) and channel with width with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:49
S81	37	S80 and "429"/\$.cols.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:51
S82	19	S81 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:51
S83	1114	(cooling or coolant) and channel with length with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:06
S84	44	S83 and "429"/\$.cols.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:06
S85	21	S84 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:07
S86	4589	(cooling or coolant) same channel with length	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:18
S87	128	S86 and "429"/\$.cols.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:18
S88	62	S87 and @ad<"20020712"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:19
S89	10	(cooling and coolant) same channel with length with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:21
S90	2	S89 and "429"/\$.cols.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:22
S91	4201	channel with length with mm	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:25
S92	81	S91 and polymer adj2 membrane	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:27

S93	34	S92 and @ad<"20020712"	US-PPGPUB; USPAT; USOOR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:27
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